

Formatted Alignments

dog Cath Protein Met-Stop
39 cDNA Translation
full length
np full length
t Cath-P82018 Bactenecin 5

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      10      20      30
M E T Q K D S P S L G R W S L L L L L G L V T P A - S
M E T Q R A S L C L G R W S L L L L L G L V T P S - A
M K E T Q R N G H S L G R W S L L L L L G L V T P M L I - A
M Q F Q R D V P S L W L W R S L S L L L L G L V T P G F S Q - -
M E T Q G A S L S L G R W S L L L L L G L V T P L S - A
M E T Q R S S L G R W S L L L L L G L V P A I A

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      40      50      60
R A L S Y R E A V L R A V N G F N Q R S S E A N L Y R L L Q
Q A L S Y R E A V L R A V D R I N E Q S S E A N L Y R L L Q
Q V L S Y R E A V L R A V D G N Q R S S E A N L Y R L L Q
- T P S Y R D A V L R A V D D F N Q Q L T I L L L L L L
Q A L S Y R E A V L R A V G Q L N E R S S E A N L Y R L L Q
Q A L S Y R E A V L R A V D N Q R S S E A N L Y R L L

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      70      80      90
L N S Q P K G D E D P N I P K P V S F T V K E T V C P R T T
L D Q P P K A D E D P G I P K P V S F T V K E T V C P R T T
L D P R P T M D G D P D I P K P V S F T V K E T V C P R T T
L D P E P Q C D E D P D I P K P V S F T V K E T V C P R T T
L D P A P N D V D P G I P K P V S F T V K E T V C P R T T
L D P P D E D P T P K P V S F T V K E T V C P R T T

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      100     110     120
Q O P L F Q C G I K D N G L V K Q C E G T A I D E D T G Y
R O P P L L C D I K E N G R V K Q C V C H V L L S I H
Q O S L L D C D I K K D G L V K R M C V L L Q A R G
R O L L L Q G A T R E Q G V K Q C M C A T L L A A D S
Q O P L F E C D I K E N G L V K Q C V C H V L L D S N D Q
Q Q P P E C D F K E N G L V K Q C G T V T L N P S

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      130     140     150
R D I N C D S - - L Q V K K I D R - - L K E L T T G A Q
L D I S C N E - - I O S V R R R P - - R P P Y T P P R P
F D I S C D K - - D N K R F A L L G - - D F F R S S K E
F D I S C N E P G A Q P F R F K K I S R L A G F R K G G E
F D I N C N E - - I O S V R F R P P I R P P R P - P F N
F D I S C N E P G Q V R R

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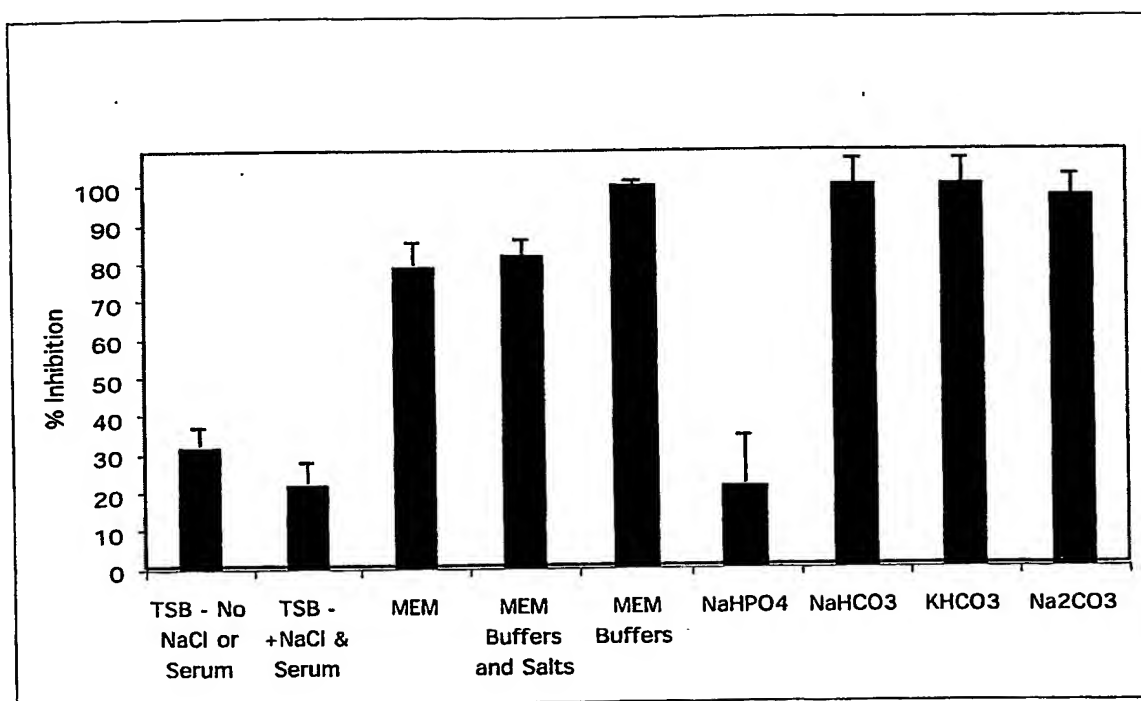
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      160     170     180
K L G K K I R R I G O R I K D L K N T Q N R - - E E K S *
P P F F P P R L P P R I P P G P P R F P P R - - F P G K R
K L G K E F K R I V O R I K D L R N T V P R T E S
K L G E K L K K I G O R I K N F Q K L V L Q - - P E Q
P P F R P V R P P F R P P F R P P F R P P I G P F P G R R
K I G R I Q R I K F L P R

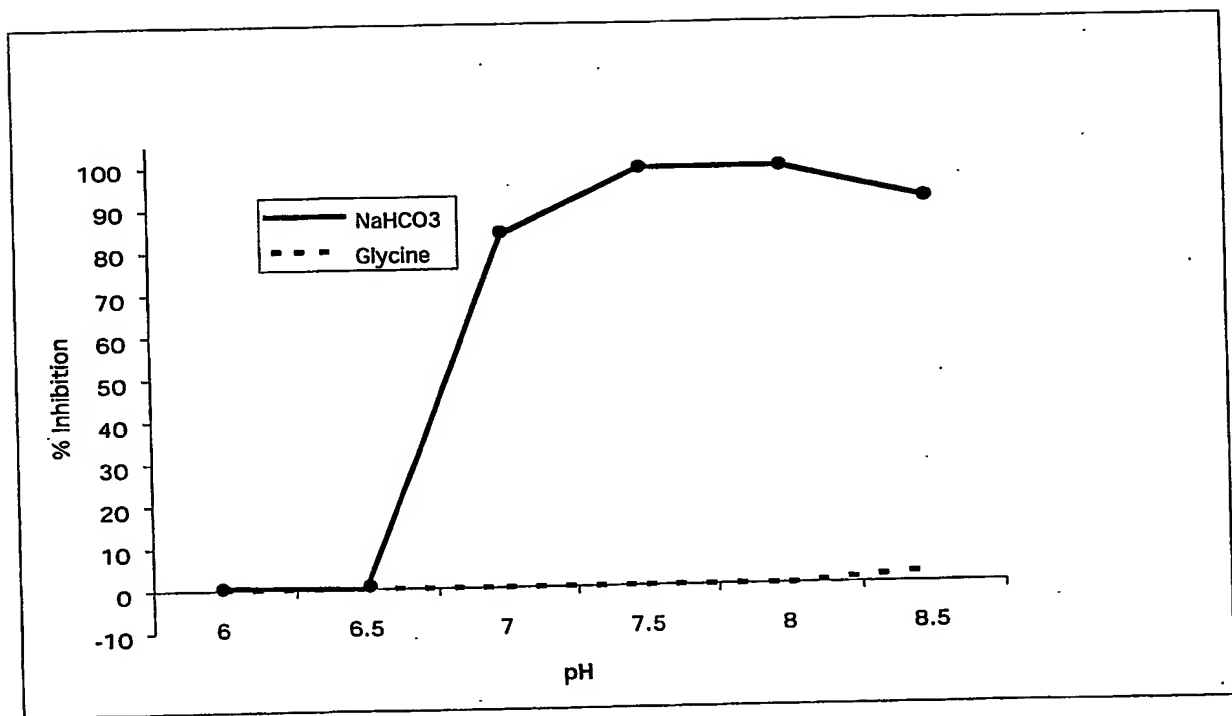
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FIG. 1

FIG. 2

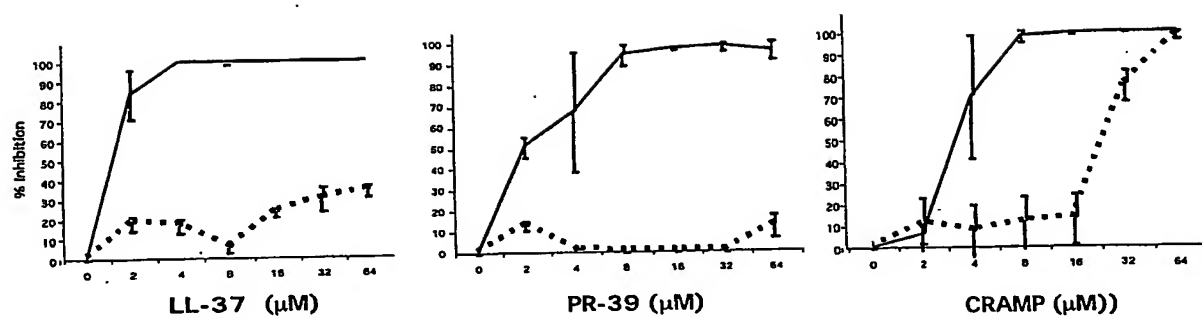
Staph aureus
32 uM LL-37
20% TSB
10% FCS
pH 7.4

FIG. 3



Staph aureus
32 μ M LL-37
20% TSB
150 mM NaCl
10% FCS

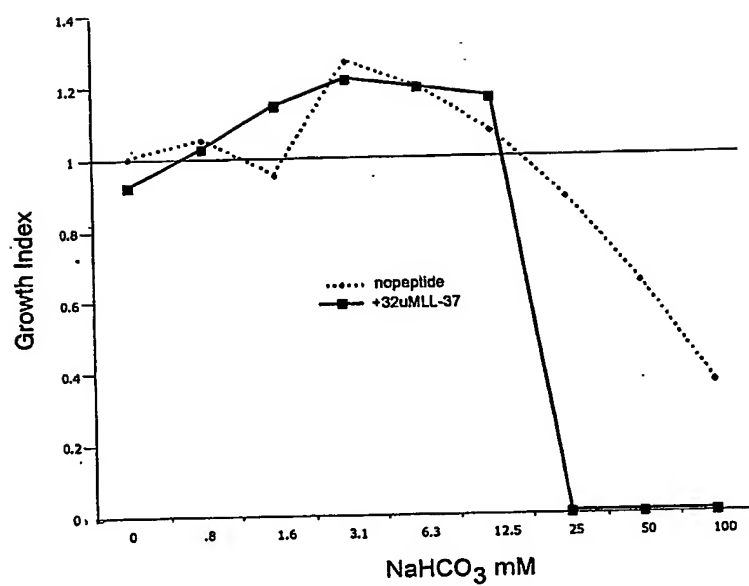
FIG. 4



Staph aureus
20% TSB
NO NaCl
No FCS

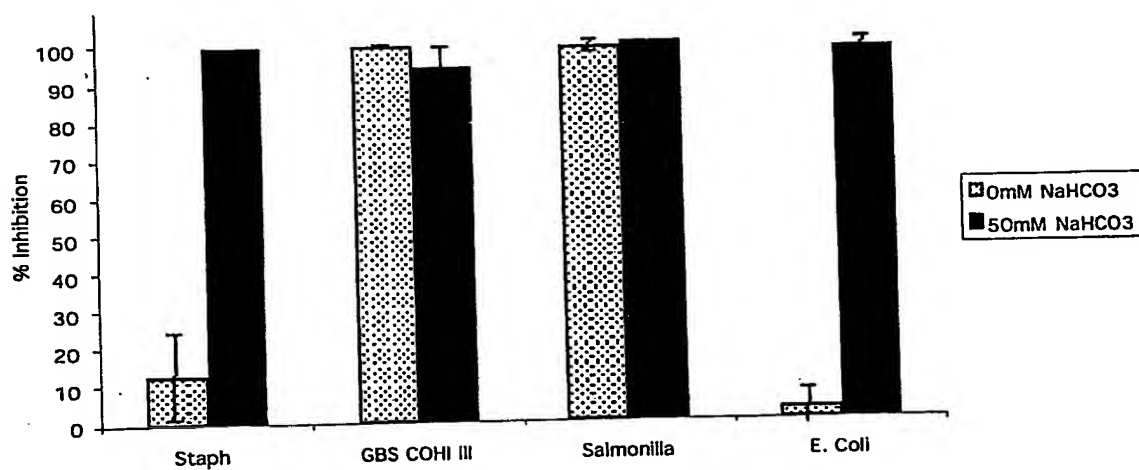
--- 0mM NaHCO_3
— 50mM NaHCO_3

FIG. 5



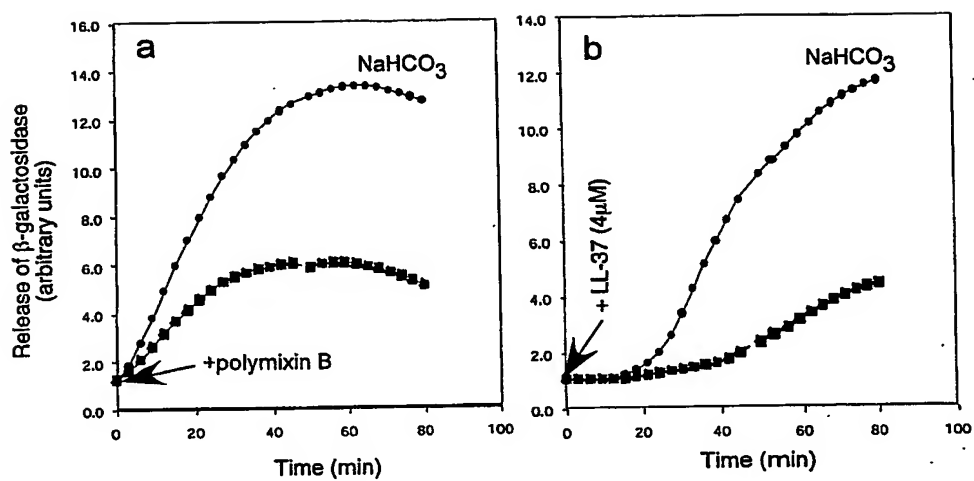
Staph aureus
pH 7.4
20% TSB
150 mM NaCl
10% FCS

FIG. 6



Cramp at 16 μ M
20% TSB
no NaCl or FCS
pH 7.4

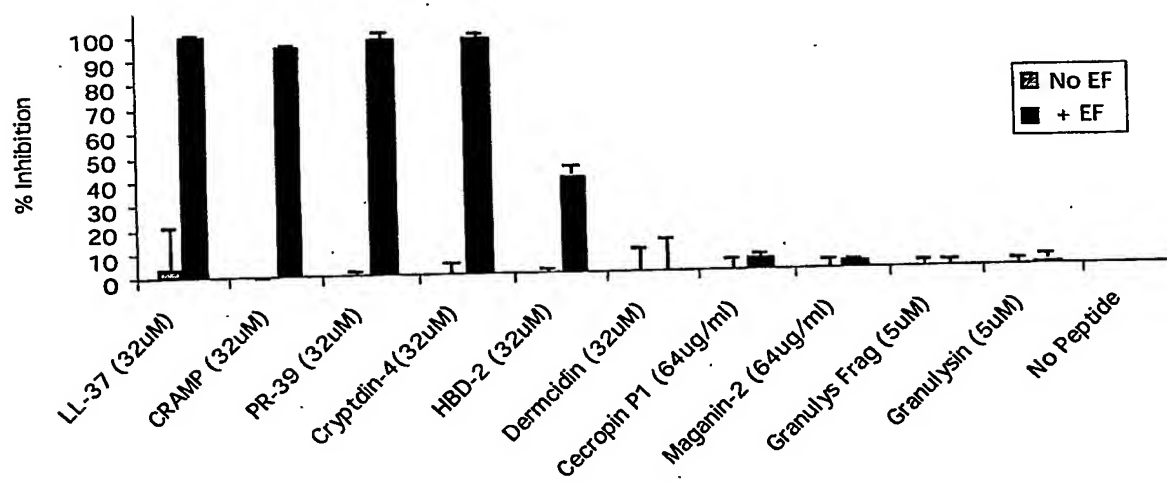
FIG. 7



e. coli inner membrane permeability
no NaCl, FCS
pH 7.4
data are OD 420 with antibiotic/no antibiotic

FIG. 8

Effect of EF on the Inhibitory Activity of Various Antimicrobial Peptides on Staph Aureus
(+150mM NaCl and 10% FCS)



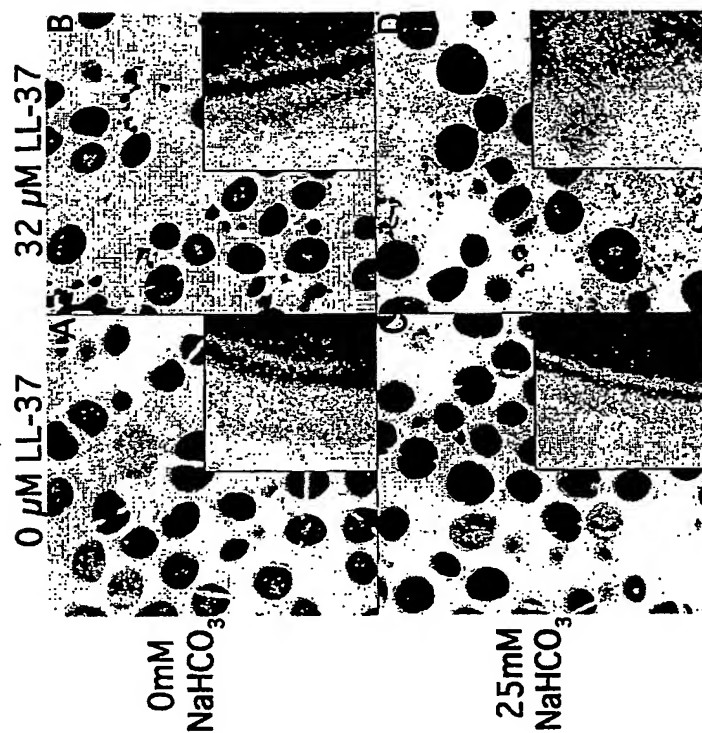


FIG. 9

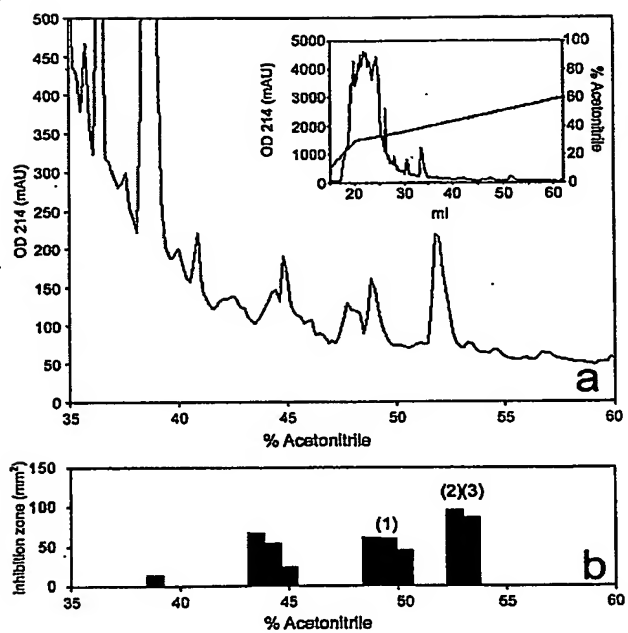
FIG. 10

FIG. 11

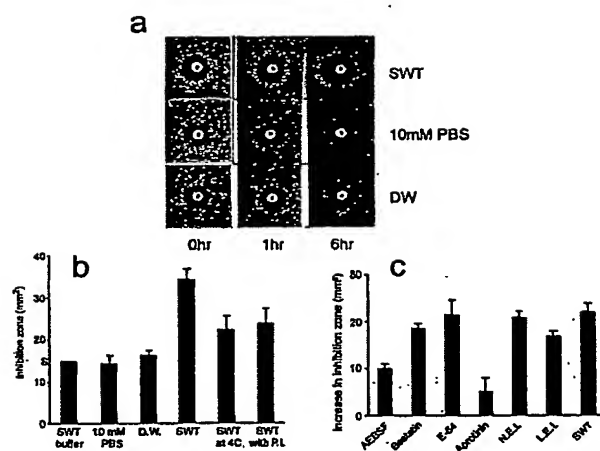


FIG. 12

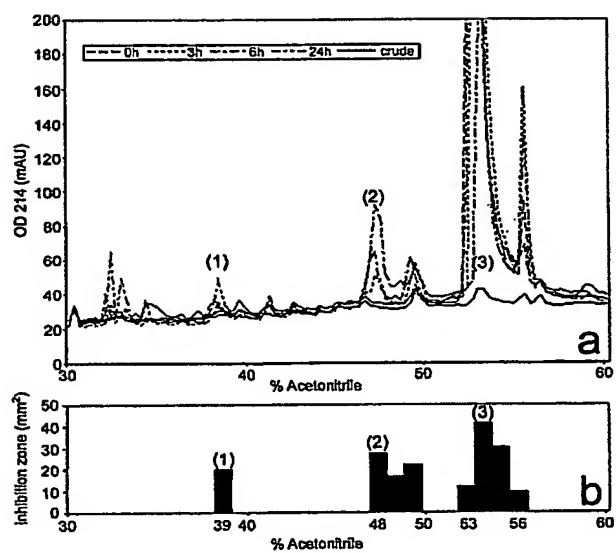


FIG. 13

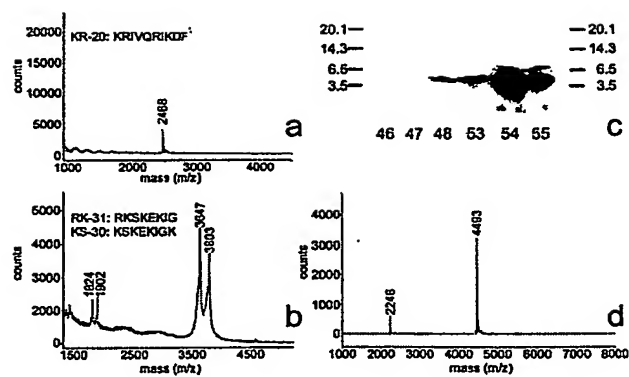


FIG. 14

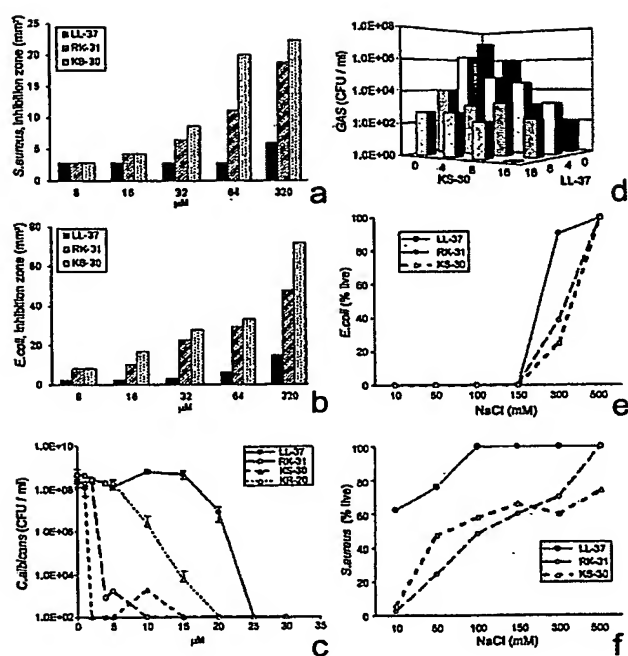
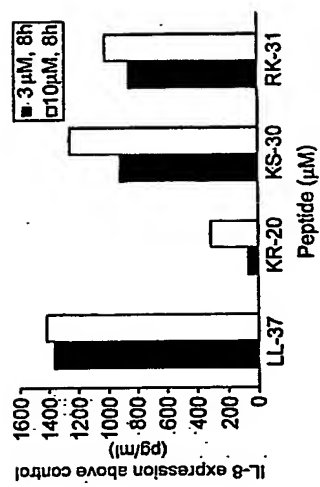


FIG. 15

LL37 blocks LPS-induced chemokine release from Human Dendritic cells

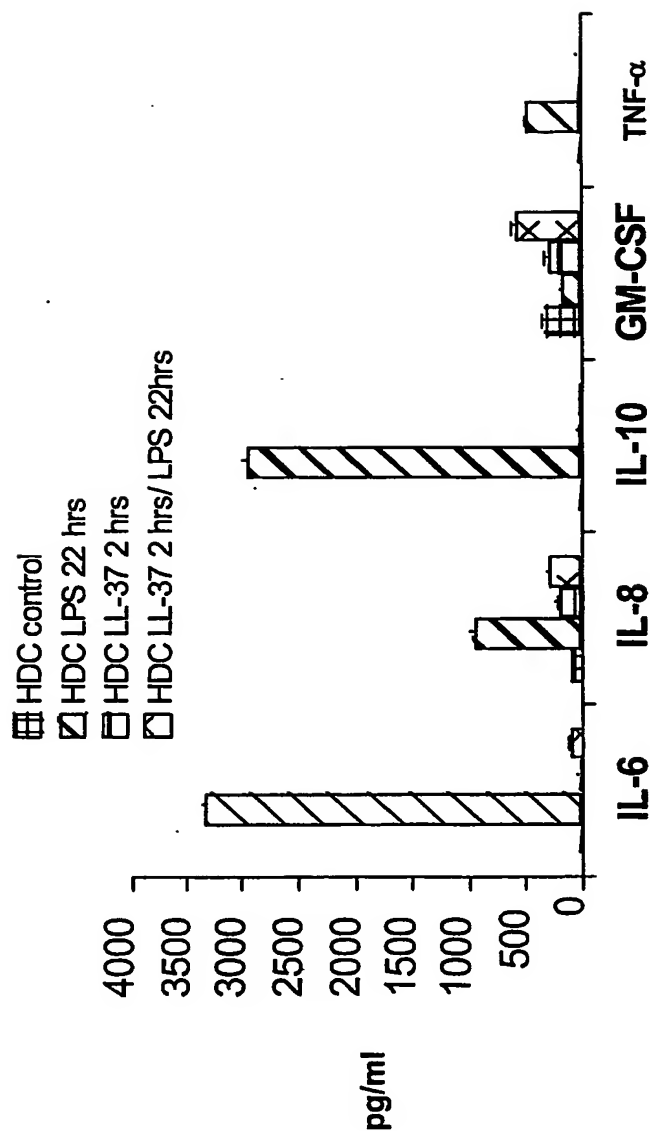


FIG. 16

Mouse LL37 homolog (Cramp) blocks LPS-induced chemokine release from Mouse Dendritic cells

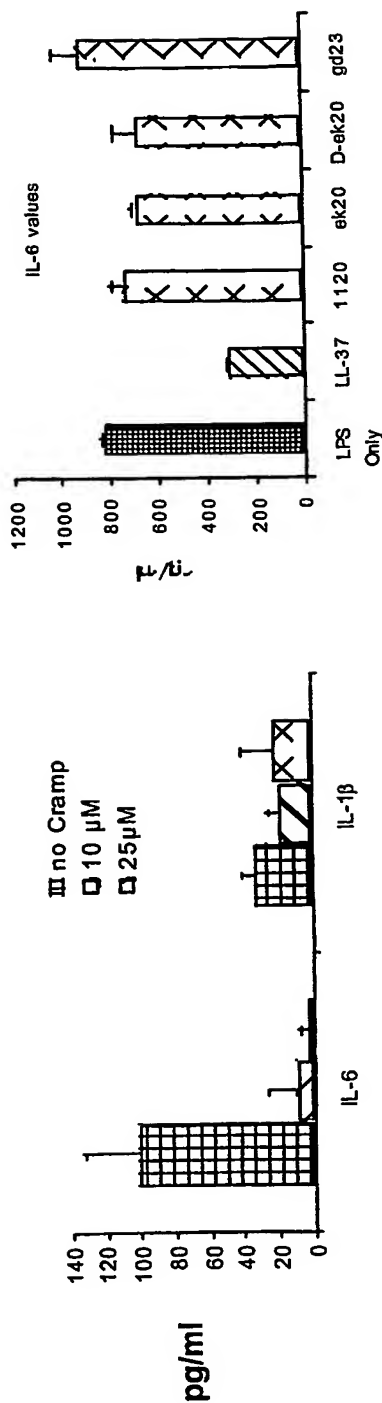


FIG. 17

CRAMP inhibits antigen presentation in vitro

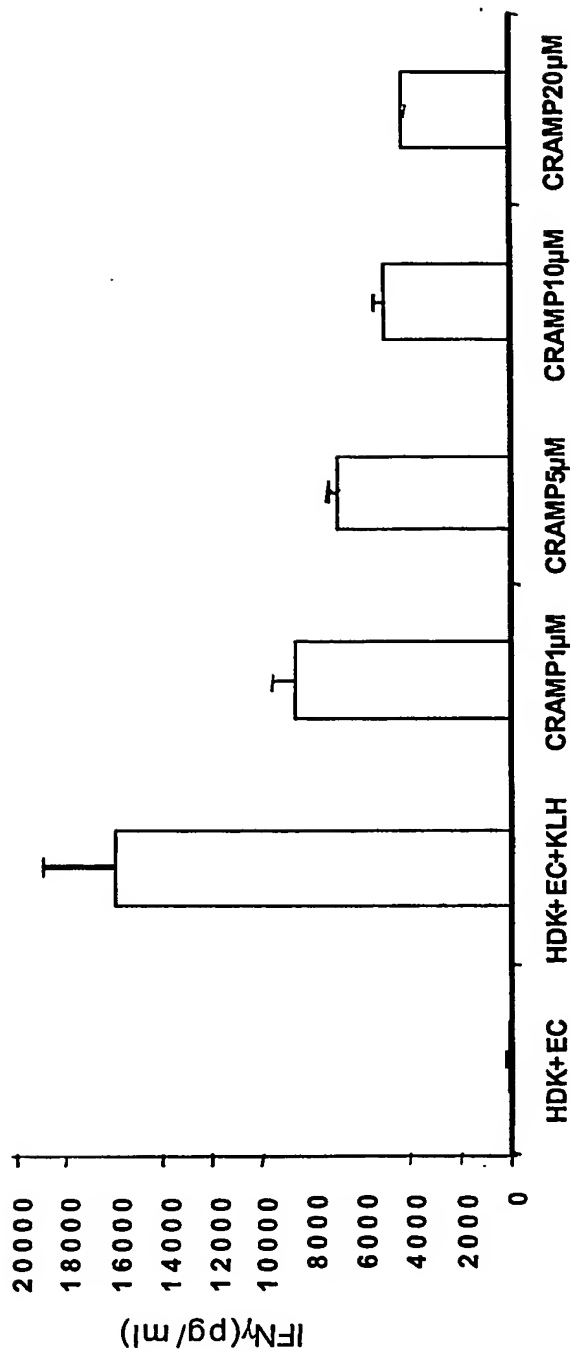


FIG. 18A

Collaboration with R Granstein

CRAMP inhibits antigen presentation in vivo

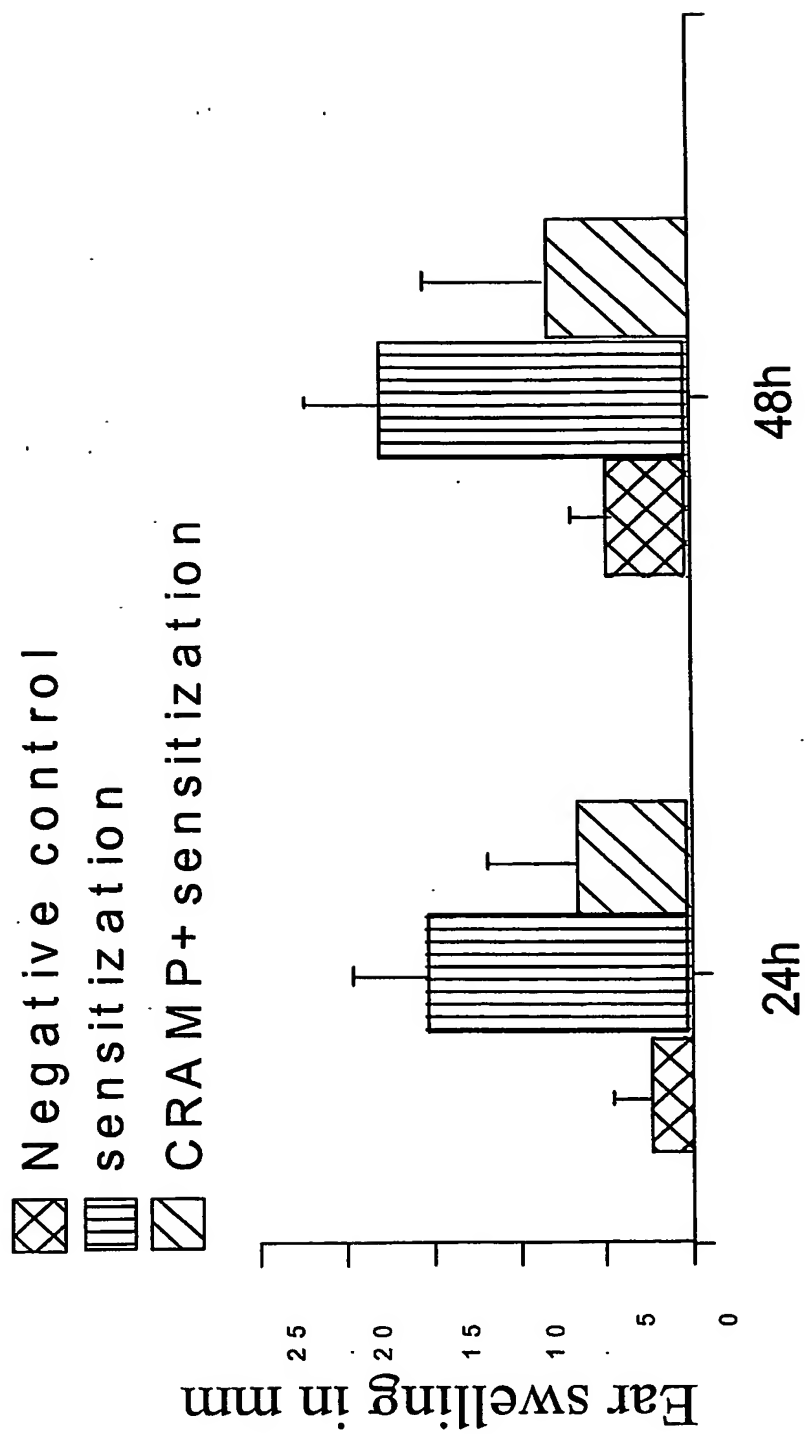


FIG. 18B

CRAMP inhibits antigen presentation in vivo

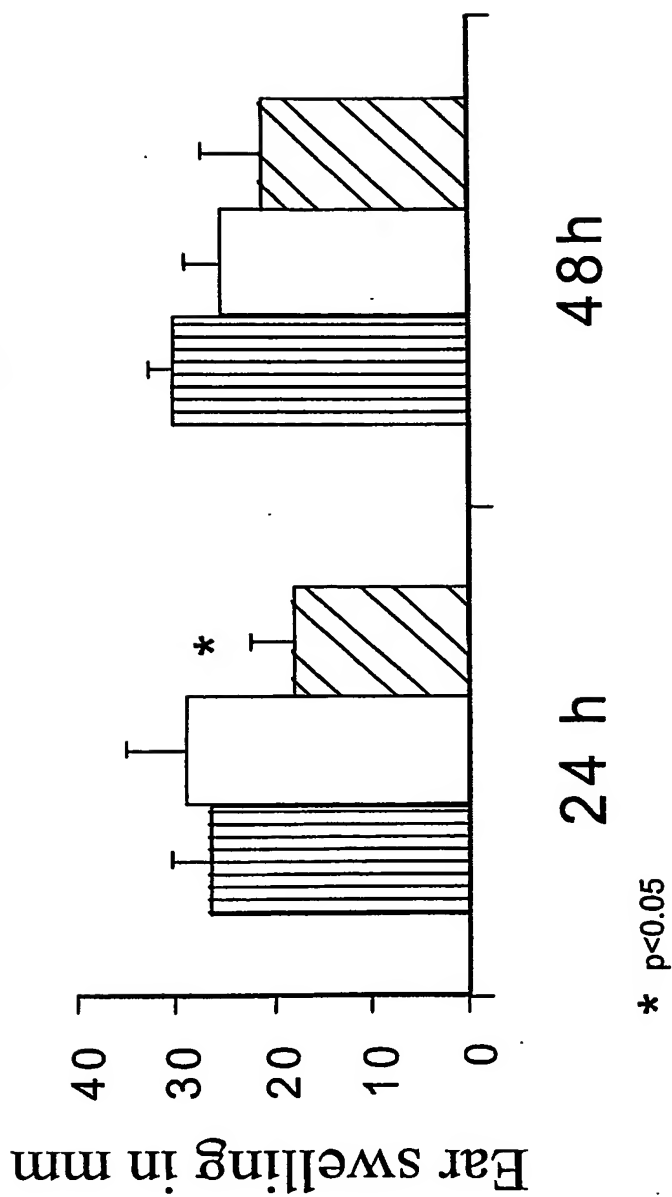
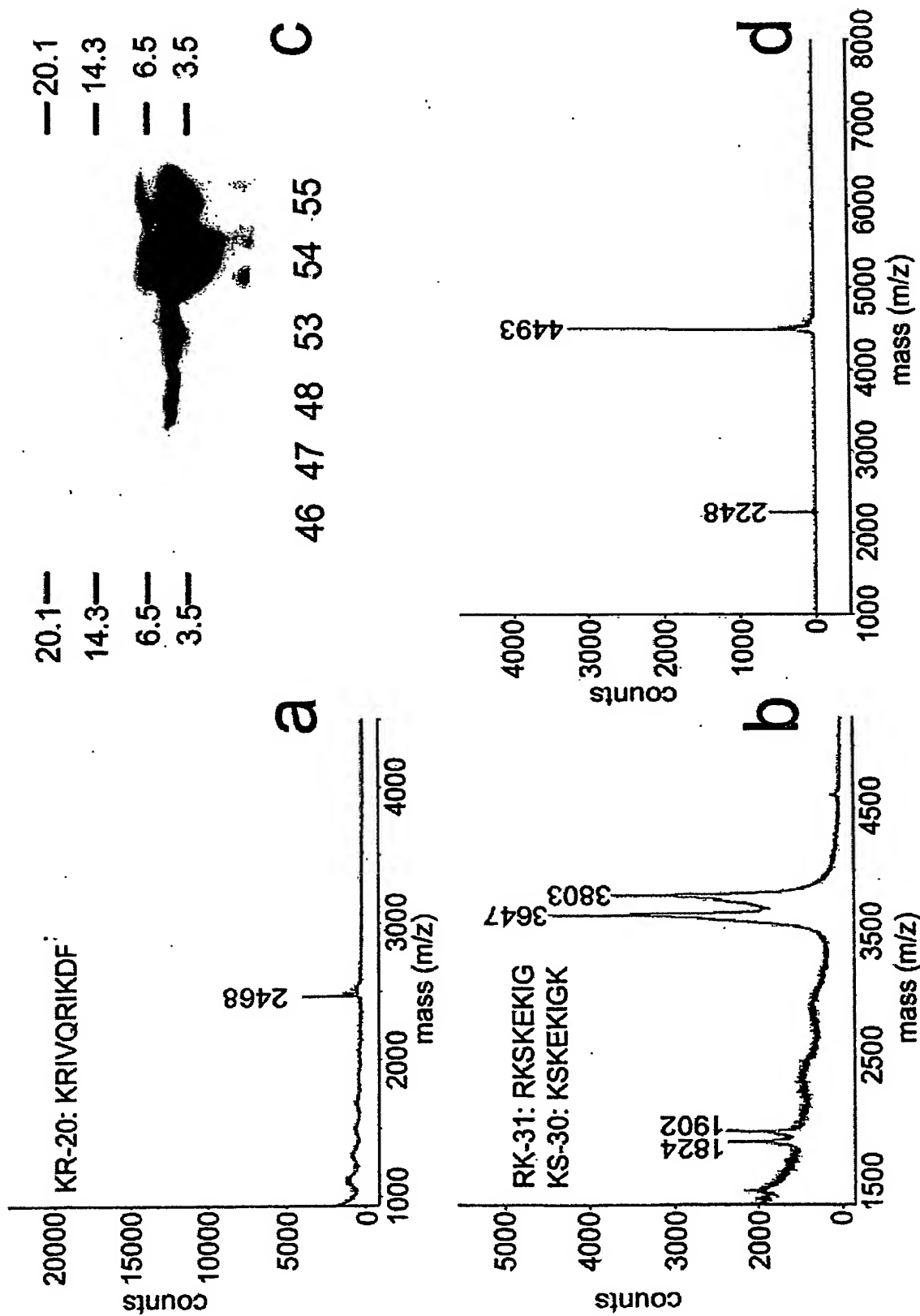


FIG. 18C

Identification of cathelicidin peptides on the normal skin surface



Processing of cathelicidin peptides on the normal skin surface

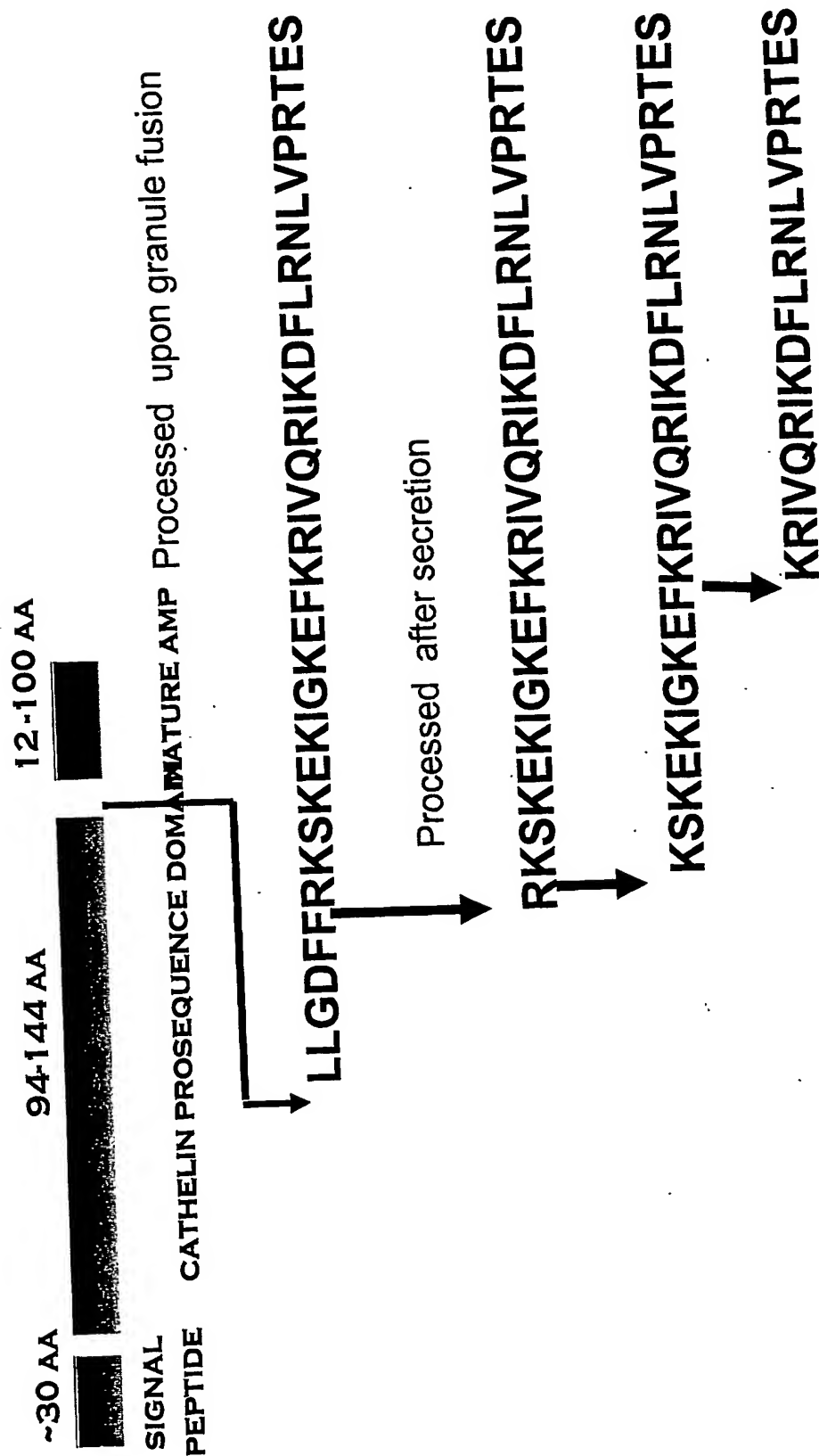


FIG. 20